

Real-time data analysis increases productivity

Get results during a running measurement with imc Inline FAMOS



Are the measurement results plausible? How can limit values be directly monitored on the test stand? How many load cycles have been carried out and what impact has the test object already experienced? Answers to these test and measurement questions are offered by imc Meßsysteme GmbH with real-time data analysis. Until now, incoming measurement data results could only be converted directly in the measurement device. Now we have the ability of live data analysis on the PC: imc Inline FAMOS.

During a running measurement, and across multiple devices, statistical analyses, mathematical calculations or complex evaluations, meaningful results can be achieved in real time. Subsequent analyses are eliminated or greatly reduced, which significantly increases productivity in everyday testing.

By using the full CPU performance of the PC, imc Inline FAMOS provides an impressive throughput - even with many measurement channels with many computational steps. Extensive analyses can be split into multiple processor cores and the performance can be easily scaled by selecting appropriate PC hardware.

For data analysis, a comprehensive collection of standard functions are offered: e.g., performance calculations, statistical analysis or mathematical functions.



Press information

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Reimbursements

After consultation, we will assume costs associated with publication.

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In addition, special application areas are covered - such as order analysis, acoustical assessments, strain gauge rosette circuits, classifying algorithms for stress analysis, digital filtering or non-linear characteristics evaluations.

For more information on imc Inline FAMOS, visit us at:

www.imc-berlin.com/inline-famos

imc Meßsysteme GmbH, Berlin, Germany (manufacturer)

For over 25 years, imc Meßsysteme GmbH has been developing, manufacturing and selling hardware and software solutions worldwide in the field of physical measurement technology. Whether in a vehicle, on a test bench or monitoring plants and machinery – data acquisition with imc systems is considered productive, user-friendly and profitable. So whether needed in research, development, testing or commissioning, imc offers complete turnkey solutions, as well as standardized measurement devices and software products.

imc measurement systems work in mechanical and mechatronic applications offering up to 100 kHz sampling rate per channel with most popular sensors for measuring physical quantities, such as pressure, force, speed, vibration, noise, temperature, voltage or current. The spectrum of imc measurement products and services ranges from simple data recording via integrated real-time calculations, to the integration of models and complete automation of test benches.

Founded in 1988 and headquartered in Berlin, imc Meßsysteme GmbH employs around 160 employees who are continuously working hard to further develop the product portfolio. Internationally, imc products are distributed and sold through our 25 partner companies.

imc Test & Measurement GmbH (sales and system integration)

imc Test & Measurement GmbH is a system house that offers products and services for measurement applications. Our team of about 40 proven experts, having mainly backgrounds in engineering or science, work to realize customer-oriented and application-specific solutions on the subject of "electrical measurement of physical quantities."

imc Test & Measurement GmbH markets the recognizably innovative and powerful hardware and software products from their strategic partner, imc Meßsysteme GmbH, Berlin.

We complement these products with our comprehensive engineering services. These range from design, consulting and sales, with pre-and after-sales service, as well as customer and application-specific extensions, system integration, commissioning, training, rental of measuring systems, personnel contracting and much more.



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